AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0035] of the published specification with the following amended paragraph:

[0035] The present inventors prepared primary cultures of glioblastoma cells from surgical samples and examined the expression of AMPAR subunits (Table 1). In these cultures, most cells exhibited GFAP-immunoreactivity, indicating that they were of glial cell origin, and there was no contamination by neurons or microglial cells as judged by the lack of immunoreactivities for neurofilament protein (NFP) (Nature, 298, 277-279, 1982; Acta Neuropathol., 64, 30-36, 1984), a neuronal [[maker]] marker, and Ki-M1P (Pathol. Int., 46, 15-23, 1996), a marker of microglial cells, respectively.

Please replace paragraph [0081] of the published specification with the following amended paragraph:

[0081] a~c; Serial sections from an original surgical sample. a; Subpial accumulation of invading tumor cells stained with hematoxylin-eosin (HE). b; Expression of GluR1 mRNA detected by in situ hybridization ~~(nitro blue tetrazolium chloride, blue)~~ (nitro blue tetrazolium chloride). c; Image of immunofluorescence for GluR1 ~~(rhodamine, red)~~ (rhodamine) is shown.

Please replace paragraph [0084] of the published specification with the following amended paragraph:

[0084] l~n; Immunostaining with anti-GluR1 antibody ~~(Alexa 594, red)~~ (Alexa 594) (l) and anti-GluR4 antibody ~~(FITC, green)~~ (FITC) (m), and their merged image (n) in tumor cells in primary culture are shown.

Please replace paragraph [0085] of the published application with the following amended paragraph:

[0085] o~q; Immunostaining with anti-GluR1 antibody ~~(Alexa 594, red)~~ (Alexa 594) (o) and anti-GluR2 antibody ~~(FITC, green)~~ (FITC) (p), and their merged image (q) in tumor cells are shown. Scale bar in "q" represents 100 μm for "a"~"g", and 50 μm for "h"~"q".

Please replace paragraph [0089] of the published application with the following amended paragraph:

[0089] g~l; Dual immunofluorescence for vimentin ~~(g, FITC, agreen)~~ (g, FITC), and GluR1 ~~(h, rhodamine, red)~~ (h, rhodamine) and their merged image (i) are shown. Scale bar in "f" represents 20 μm for "d"~"f" and that in "i" 100 μm for "a"~"c" and "g"~"i".

Please replace paragraph [0092] of the published application with the following amended paragraph:

[0092] g; Cells infected with AxCALNLGluR2 alone for control, and dually stained for vimentin ~~(FITC, green)~~ (FITC) and propidium iodine (PI) [[(red)]].

Please replace paragraph [0093] of the published application with the following amended paragraph:

[0093] h; Cells infected with AxCALNLGluR2 together with AxCANCre, and dually stained for vimentin ~~(FITC, green)~~ (FITC) and GluR2 ~~(rhodamine, red)~~ (rhodamine). Note disrupted vimentin filaments in a cell expressing GluR2 protein.

Please replace paragraph [0095] of the published application with the following amended paragraph:

[0095] j~l; Cells overexpressing GluR1. They were infected with AxCALNLGluR1 together with AxCANCre. Immunofluorescence for vimentin ~~(j, FITC, green)~~ (j, FITC) and GluR1 ~~(k, rhodamine, red)~~ (k, rhodamine) and their merged image (l) are shown.

Please replace paragraph [0096] of the published application with the following amended paragraph:

[0096] m~o, U87-MG cells infected with AxCAGFP (m), AxCAGFP and AxCALNLGluR2 together with AxCANCre (n), and AxCAGFP and AxCALNLGluR2 (Q) together with AxCANCre (o). They were stained for GluR2 ~~(rhodamine, red)~~ (rhodamine). Merged images of GFP and GluR2 immunofluorescence are shown. Scale bar in "i" represents 100 μm for "a"~"f" and "j"~"o", and 20 μm for "g"~"i".

Please replace paragraph [0098] of the published application with the following amended paragraph:

[0098] a~c; A set of views showing motility of tumor cells examined with a transwell double chamber. Confocal microscopic views of cells in the bottom chamber under the porous membrane. Cells were stained with anti-GluR2 ~~(rhodamine, red)~~ (rhodamine) and anti-vimentin antibodies ~~(FITC, green)~~ (FITC). a; Cells infected with AxCALNLGluR2 without AxCANCre. Some cells expressing vimentin migrated across the porous membrane during 24 hr. b; Cells infected with AxCANCre and AxCALNLGluR2 for expression of GluR2. Only fragments of the disrupted cells were seen in the bottom chamber after 24 hr. c; Cells infected with AxCANCre and AxCANLGluR2 (Q) for expression of GluR2 (Q). A larger number of tumor cells than in "a" migrated across the porous membrane during 24 hr.

Please replace paragraph [0101] of the published application with the following amended paragraph:

[0101] d; Tumor formation at 9 days after transplantation of 2 x 10^5 cultured glioblastoma cells into the subcortical area of the nude mouse cerebrum is shown. The cultured cells had been infected with AxCAGFP and AxCALNLGluR2 each at MOI 5 for expression of GFP ~~(green)~~ 2 days before transplantation, and stained by PI [[(red)]]. E; Higher magnification view of the boxed area in "d".